

Application No. 10/805,618
Response to Final Office Action

Customer No. 01933

Listing of Claims:

Claims 1 and 2 (Canceled).

3. (Previously Presented) A crushing control apparatus for a shearing crusher for shearing and crushing objects with cutters mounted on a plurality of rotatable rotary shafts, comprising:

5 mode selecting means for selecting one of a plurality of modes that correspond respectively to kinds of said objects to be crushed;

memory means for storing a control condition of said rotary shafts for each of said plurality of modes;

10 control means for reading out the control condition corresponding to the selected mode from said memory means, and for setting a rotation speed of said plurality of rotary shafts in accordance with the read out control condition; and

15 a direction control valve for switching between a normal rotation direction and a reverse rotation direction of said hydraulic motor,

wherein said kinds objects to be crushed comprise at least one of straw matting, a tire, and a pallet,

wherein said control means controls a hydraulic motor for driving said rotary shafts, and

20 wherein said control means controls a position of said direction control valve and a holding time in the position.

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4. (Previously Presented) A crushing control apparatus for a shearing crusher for shearing and crushing objects with cutters mounted on a plurality of rotatable rotary shafts, comprising:

5 mode selecting means for selecting one of a plurality of modes that correspond respectively to kinds of said objects to be crushed;

memory means for storing a control condition of said rotary shafts for each of said plurality of modes; and

10 control means for reading out the control condition corresponding to the selected mode from said memory means, for controlling the rotary shafts to alternate rotation between a normal rotation direction and a reverse rotation direction, and for setting a length of time that the rotary shafts rotate in the normal rotation direction and a length of time that the rotary 15 shafts rotate in the reverse rotation direction in accordance with the read out control condition.

5. (Previously Presented) The crushing control apparatus for the shearing crusher according to claim 4, wherein said kinds objects to be crushed comprise at least one of straw matting, a tire, and a pallet; and

5 wherein said control means controls a hydraulic motor for driving said rotary shafts.

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6. (Previously Presented) The crushing control apparatus for the shearing crusher according to claim 5, further comprising:

5 a direction control valve for switching between a normal rotation direction and a reverse rotation direction of said hydraulic motor, corresponding respectively to the normal and reverse rotation directions of the rotary shafts,

wherein said control means controls a position of said direction control valve and a holding time in the position.